

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. § 371		Attorney's Docket Number 044921-5038-02
International Application No.	International Filing Date	U.S. Application No. Unassigned <b>10/501933</b>
PCT/US03/03194	January 31, 2003	Priority Dates Claimed January 31, 2002, March 15, 2002 and December 30, 2002

Title of Invention: MOLECULAR HEPATOTOXICOLOGY MODELING

Applicants For EO/EO/US: Donna MENDRICK, Mark PORTER, Kory JOHNSON, Brandon HIGGS,  
Arthur CASTLE and Michael ELASHOFF

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371.
2.  This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. § 371.
3.  This express request to begin national examination procedures (35 U.S.C. § 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. § 371(b) and PCT Articles 22 and 39(l).
4.  A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5.  A copy of the International Application as filed (35 U.S.C. § 371(c)(2))
  - a.  is transmitted herewith (required only if not transmitted by the International Bureau).
  - b.  A copy of the International Application as filed has been transmitted by the International Bureau.
6.  A translation of the International Application into English (35 U.S.C. § 371(c)(2)).
7.  Applicant(s) hereby assert(s) small entity status under 37 C.F.R. § 1.27.
8.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)).
  - a.  are transmitted herewith (required only if not transmitted by the International Bureau).
  - b.  have been transmitted by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
9.  A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).
10.  An oath or declaration of the inventors (35 U.S.C. § 371(c)(4)).
11.  A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).

**Items 12. to 15. below concern other document(s) or information included:**

12.  An Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98.
13.  An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. § 3.28 and § 3.31 is included.
14.  A FIRST preliminary amendment.
15.  A SECOND or SUBSEQUENT preliminary amendment.
15.  Other items or information:  
PCT/IB/304, PCT/IB/308, PCT/IB/318, WO 03/064624, PCT/ISA/220, PCT/RO/101, International Search Report w/ PTO 1449 (PCT/ISA/210), Copy of CD ROM containing a Sequence Listing

U.S. APPLICATION NO. | INTERNATIONAL APPLICATION NO. | ATTORNEY DOCKET NUMBER  
**10/501933** | WO 03/064624 | 044921-5038-02  
 PCT/US03/03194

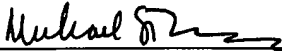
16.  The following fees are submitted:  
**Basic National Fee (37 C.F.R. § 1.492(a)(1)-(5)):**  
 Search Report has been prepared by the EPO or JPO.....\$920.00  
 International preliminary examination fee paid to  
 USPTO (37 C.F.R. § 1.482).....\$730.00  
 No international preliminary examination fee paid to  
 USPTO (37 C.F.R. § 1.482) but international search fee  
 paid to USPTO (37 C.F.R. § 1.445(a)(2)).....\$770.00  
 Neither international preliminary examination fee  
 (37 C.F.R. § 1.482) nor international search fee  
 (37 C.F.R. § 1.445(a)(2)) paid to USPTO.....\$1,080.00  
 International preliminary examination fee paid to USPTO  
 (37 C.F.R. § 1.482) and all claims satisfied provisions  
 of PCT Article 33(2)-(4).....\$100.00  
**ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 730.00**

Surcharge of \$130.00 for furnishing the oath or declaration later than  
 20  30 months from the earliest claimed priority date  
 (37 C.F.R. § 1.492(e)).

Claims	Number Filed	Number Extra	Rate	
Total Claims	65 - 20 =	45	45 X \$18.00	\$ 810.00
Independent Claims	12- 3 =	9	9 X \$86.00	\$ 774.00
Multiple dependent claim(s) (if applicable)			+ \$290.00	\$
<b>TOTAL OF ABOVE CALCULATIONS</b>				<b>\$2,314.00</b>
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 C.F.R. §§ 1.9, 1.27, 1.28)				-\$
<b>SUBTOTAL =</b>				<b>\$2,314.00</b>
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(f)).				+\$
<b>TOTAL NATIONAL FEE =</b>				<b>\$2,314.00</b>
Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The Assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property				\$
<b>TOTAL FEES ENCLOSED =</b>				<b>\$2,314.00</b>
Amount to be refunded				\$
Amount to be charged				<b>\$2,314.00</b>

- a.  A check in the amount of \$\_\_\_\_\_ to cover the above fees is enclosed.  
 b.  Please charge my Deposit Account No. 50-0310 in the amount of **\$2,314.00**  
 to cover the above fees. A duplicate copy of this sheet is enclosed.  
 c.  **Except** for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized  
 by this paper to charge any additional fees during the entire pendency of this application  
 including fees due under 37 C.F.R. § 1.16 and § 1.17 which may be required, or credit any  
 overpayment to Deposit Account No. 50-0310.

Customer No. 09629  
**SEND ALL CORRESPONDENCE TO:**  
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 Michael S. Tuscan, Ph.D., Reg. No. 43,210  
 Date: July 20, 2004